

Amendment to the Claims

Please accept amended claims 1, 9, 10, 17, 26, 28, and cancel claims 8 and 30 without prejudice as follows:

Listing of the Claims

1. (Currently Amended) A system for discovering potential devices on a peer-to-peer (P2P) network to establish a voice over internet protocol (VOIP) session between P2P devices, comprising:

a seeker device; and

a plurality of end-user devices operatively connected to the P2P network;

wherein each of the plurality of end-user devices is associated with at least one identity file, each identity file comprising at least one searchable element;

wherein at least one of the plurality of end-user devices post their at least one identity file on the P2P network using a Web service request to a Web Service Provider;

wherein the seeker device receives a search form including a plurality of search entry fields from the Web Service Provider,

~~wherein the entry fields are provided for entering data and the search form is devoid of entered data when received by the seeker device,~~

~~wherein a user of the seeker device manually enters data into at least one of the search entry fields, and~~

wherein the seeker device searches the identity files posted on the PTP network ~~for the data matching the entered data~~ to determine at least one device of the end-user devices for a ~~collaboration~~VOIP session, ~~and~~

wherein the seeker device initiates the ~~collaboration~~VOIP session with the determined end-user devices,

wherein each identity file is an Extensible Markup Language (XML) file that is posted in a public shared directory on an end-user device and accessible using a P2P protocol, and

wherein each identity file includes a tag representing information for a VOIP process of the end-user.

2. (Original) The system of claim 1, wherein the seeker device is a seeker end-user

device and the plurality of potential devices are a plurality of potential end-user devices.

3. (Previously Presented) The system of claim 2, wherein the seeker end-user device and each of the plurality of potential end-user devices comprises at least one of a personal digital assistant, a laptop, and a cellular phone.

4. (Previously Presented) The system of claim 1, wherein the at least one identity file of the plurality of the potential devices is downloaded from the Web service provider in response to the seeker device sending a Web service request to the Web service provider.

5. (Previously Presented) The system of claim 2, wherein the seeker end-user device logs on a Web service provider to gain access to the P2P network using Web services and simple-object access protocols (SOAP) over hypertext transfer protocol (HTTP) and internet protocol (IP) networks.

6. (Original) The system of claim 1, wherein the seeker device is a machine connected to an IP network.

7. (Original) The system of claim 1, wherein the P2P network comprises at least one of Kazaa, OpenNAP, Gnutella, FastTrack, LimeWire, eMule/Kademlia, and Napster.

8. (Cancelled)

9. (Currently Amended) The system of claim 1, wherein the ~~collaboration~~ session is independent of the P2P network.

10. (Currently Amended) A method for a seeker device discovering potential collaborators on a peer-to peer (P2P) network, comprising:
discovering one or more entry point nodes to the P2P network;
registering a seeker device on the P2P network based on the discovered nodes;

downloading a search form to the seeker device, wherein the search form includes a plurality of search entry fields for identifying the potential collaborators;

wherein the entry fields are provided for entering data and the search form is devoid of entered data when received by the seeker device;

manually entering data into at least one of the search entry fields by a user of the seeker device;

performing a search by the seeker device on a public shared directory of the P2P network to determine for identity files having an Extensible Markup Language (XML) format that include the manually entered data a tag representing a name of a potential collaborator on the P2P network, and a tag representing a domain name of the collaborator;

determining collaborators for a collaboration session from the potential collaborators on the P2P network that correspond to the determined identity files; and
initiating the collaboration session between the determined collaborators.

11. (Previously Presented) The method of claim 10, further comprising performing identity provisioning.

12. (Cancelled)

13. (Previously Presented) The method of claim 10, further comprising obtaining service and identity availability for a result of the search.

14. (Previously Presented) The method of claim 10, further comprising narrowing the search by searching only the identity files whose filenames include data for at least one of the search fields.

15. (Cancelled)

16. (Original) The method of claim 10, wherein discovering one or more entry point nodes to the P2P network comprises:

querying a Web service running on a Web service cluster;
receiving an identity form from a Web service provider in response to a Web service request, the identity form comprises a plurality of information fields;
populating one or more of the plurality of information fields; and
posting the identity form on the P2P network.

17. (Currently Amended) A method for a seeker device to discover potential collaborators on a peer-to-peer (P2P) network, comprising:

registering the seeker device with the P2P network;
initiating a Web service to a Web service provider;
requesting an available P2P server on the P2P network from the Web service provider using the Web service;
registering the available P2P server in a Web service cluster using the Web service;

downloading a search form from the Web service provider to the seeker device, wherein the search form includes a plurality of search entry fields for identifying the potential collaborators, ~~wherein the entry fields are provided for entering data and the search form is devoid of entered data when received by the seeker device;~~

performing a search by the seeker device on the P2P network to determine identity files having filenames that include data for at least one of the search entry fields;
determining the collaborators that correspond to the determined identity files; and
initiating a voice over internet protocol (VOIP) ~~collaboration~~ session with the collaborators.

18. (Previously Presented) The method of claim 17, wherein registering with a P2P network comprises registering automatically with the P2P network when the seeker device connects to an IP network.

19. (Original) The method of claim 17, wherein initiating a Web service to a Web service provider comprises initiating a Web service to a Web service provider using

HTTP/XML/SOAP protocols.

20. (Original) The method of claim 17, further comprising discovering the Web service provider using a UDDI Web service registry and business entities.

21. (Original) The method of claim 17, wherein requesting an available P2P server on the P2P network from the Web service provider using the Web service comprises sending a Web service request using a Web service to the Web service provider, the Web service request requesting a list of available P2P servers.

22. (Original) The method of claim 21, wherein sending a Web service request using a Web service to the Web service provider comprises sending a Web service request defined in a WSDL service descriptor file using a Web service to the Web service provider.

23. (Previously Presented) The method of claim 17, further comprising performing identity self-provisioning on the P2P network by:

receiving an identity form from the Web service provider in response to a Web service request, the identity form comprises a plurality of information fields;
populating one or more of the plurality of information fields; and
posting the identity form on the P2P network.

24-25. (Cancelled)

26. (Currently Amended) The method of claim 17, wherein the ~~collaboration~~ session is independent of the P2P network.

27. (Cancelled)

28. (Currently Amended) A machine-readable medium having instructions stored thereon for execution by a processor to perform a method for a seeker device to discover

potential collaborators on a peer-to peer (P2P) network, comprising:

- registering the seeker device with the P2P network;

- initiating a Web service to a Web service provider;

- requesting an available P2P server on the P2P network from the Web service provider using the Web service;

- registering the available P2P server in a Web service cluster using the Web service;

- downloading a search form from the Web service provider to the seeker device, wherein the search form includes a plurality of search entry fields for identifying the potential collaborators; ~~wherein the entry fields are provided for entering data and the search form is devoid of entered data when received by the seeker device;~~

- manually entering data into at least one of the search fields by a user of the seeker device;

- performing a search by the seeker device on the P2P network to determine identity files that include the manually entered data;

- determining the collaborators that correspond to the determined identity files; and

- initiating a ~~collaboration~~ voice over internet protocol (VOIP) session with the collaborators,

- wherein each identity file is an Extensible Markup Language (XML) file that is posted in a public directory that is accessible using a P2P protocol, and

- wherein each identity file includes a tag representing information for a VOIP process.

29. (Previously Presented) The method of claim 10, wherein each identity file is stored as one of an XML file on a P2P shared directory on a potential collaborator or on a distributed Hash Table on the P2P network.

30 (Cancelled)